



6SL7-GT

HIGH-MU TWIN TRIODE

6SL7-GT

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 6.3 ac or dc volts

Current. 0.3 amp

Direct Interelectrode Capacitances (Approx.):^o

	Unit No. 1	Unit No. 2	
Grid to plate	2.8	2.8	μf
Grid to cathode and heater	3.0	3.4	μf
Plate to cathode and heater	3.8	3.2	μf

Mechanical:

Mounting Position. Any

Maximum Overall Length 3-5/16"

Maximum Seated Length. 2-3/4"

Maximum Diameter 1-9/32"

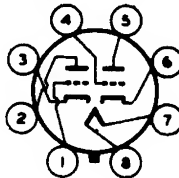
Bulb T-9

Base Intermediate-Shell Octal 8-Pin (JETEC No. B8-6)

or Short Intermediate-Shell Octal 8-Pin (JETEC No. B8-46)

Basing Designation for BOTTOM VIEW 8BD

Pin 1-Grid of
Unit No. 2
Pin 2-Plate of
Unit No. 2
Pin 3-Cathode of
Unit No. 2
Pin 4-Grid of
Unit No. 1



Pin 5-Plate of
Unit No. 1
Pin 6-Cathode of
Unit No. 1
Pin 7-Heater
Pin 8-Heater

AMPLIFIER—Class A₁

Values are for Each Unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

GRID VOLTAGE:

Positive bias value. 0 max. volts

PLATE DISSIPATION. 1 max. watt

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. . . 90 max. volts

Heater positive with respect to cathode. . . 90 max. volts

Characteristics:

Plate Voltage. 250 volts

^o With close-fitting shield (JETEC No. 308) connected to cathode.

←Indicates a change.

NOV. 5, 1954

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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Grid Voltage	-2	volts
Amplification Factor	70	
Plate Resistance (Approx.)	44000	ohms
Transconductance	1600	μ mhos
Plate Current	2.3	ma

→ **Typical Operation as Resistance-Coupled Amplifier:**

See *RESISTANCE-COUPLED AMPLIFIER CHART No. 7*
at front of this Section

→ indicates a change.

NOV. 5, 1954

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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT

6SL7-GT

$E_f = 6.3$ VOLTS

PLATE MILLIAMPERES-DASHED LINE CURVES

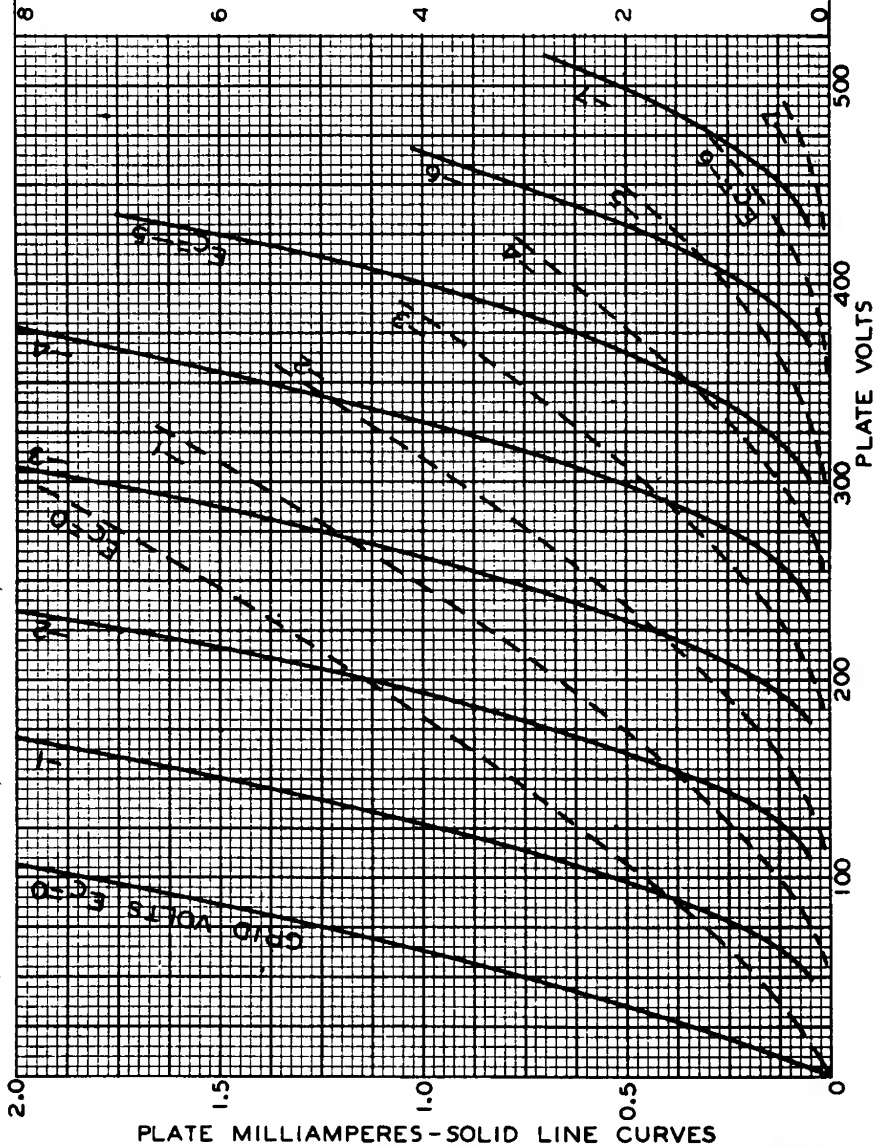


PLATE MILLIAMPERES-SOLID LINE CURVES

JUNE 16, 1941

TUBE DIVISION

92CM-6298

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY